

CLAIMS

- 1 1. A candle, in an operable orientation comprising: a wick surrounded by a solid fuel
2 body, the fuel body including an upper fuel region of the solid fuel body having a first
3 melting point and a lower fuel region of the solid fuel body having a second melting point
4 at a lower temperature than the first melting point, the lower fuel region extending at least
5 below the wick for extinguishing the candle.
- 1 2. A candle in accordance with claim 1 and further comprising a sustainer mounted on the
2 lower end of the wick to support the wick.
- 1 3. A candle in accordance with claim 2, wherein the fuel body is a wax.
- 1 4. A candle in accordance with claim 3, wherein the lower fuel region is cylindrical.
- 1 5. A candle in accordance with claim 4, wherein the lower fuel region has a diameter less
2 than to the diameter of the upper fuel region.
- 1 6. A candle in accordance with claim 5, wherein the lower fuel region is only below the
2 wick.

- 1 7. A candle in accordance with claim 4, wherein the lower fuel region has a diameter
2 substantially equal to the diameter of the upper fuel region.
- 1 8. A candle in accordance with claim 3, wherein the lower fuel region is frusto-conical.
- 1 9. A candle in accordance with claim 3, wherein the first melting point is at least three
2 degrees greater than the second melting point.
- 1 10. A candle in accordance with claim 3, wherein the first melting point is at least six
2 degrees greater than the second melting point.
- 1 11. A candle in accordance with claim 1, wherein the lower fuel region contains a flame
2 retardant.
- 1 12. An improved method for making a candle having a candle fuel body surrounding a
2 wick, the improvement comprising:
3 (a) forming an upper fuel region of the fuel body with a void extending at least
4 below the wick; and
5 (b) filling the void with a candle fuel having a melting point at a lower
6 temperature than the melting point of the upper fuel region to form a lower fuel region in
7 the void.

- 1 13. A method in accordance with claim 12 and further comprising mounting a sustainer
2 on the lower end of the wick to support the wick.
- 1 14. A method for making a candle in accordance with claim 12, wherein the candle fuel
2 body is a wax and a candle fuel wax is filled into the void.
- 1 15. A method for making a candle in accordance with claim 14, and further comprising
2 forming the void in a cylindrical shape.
- 1 16. A method for making a candle in accordance with claim 15, wherein the lower fuel
2 region has a diameter less than the diameter of the upper fuel region.
- 1 17. A method for making an anti-flash candle in accordance with claim 16 and further
2 comprising forming the void in a frusto-conical shape.
- 1 18. A method for making an anti-flash candle in accordance with claim 17, wherein the
2 void is filled with a wax having a melting point at least six degrees less than the melting
3 point of the upper fuel region.

1 19. A method for making an anti-flash candle in accordance with claim 18, wherein the
2 void is filled with a wax having a melting point at least three degrees less than the
3 melting point of the upper fuel region.

1 20. A method for making a candle, the method comprising:

2 (a) forming an upper fuel region around a wick, the upper fuel region formed of a
3 candle fuel having a first melting point;

4 (b) forming a lower fuel region at one end of the upper fuel region, said lower fuel
5 region being adjacent the wick and having a second melting point at a lower temperature
6 than the first melting point.

1 21. A method for making a candle in accordance with claim 20, further comprising
2 mounting a sustainer on one end of the wick to support the wick.

1 22. A method for making a candle in accordance with claim 20, wherein the fuel is wax.

1 23. A method for making a candle in accordance with claim 20, wherein the lower fuel
2 region is formed in a cylindrical shape.

1 24. A method for making a candle in accordance with claim 23, wherein the lower fuel
2 region is formed with a diameter less than the diameter of the upper fuel region.

1 25. A method for making a candle in accordance with claim 23, wherein the lower fuel
2 region is formed with a diameter substantially equal to the diameter of the upper fuel
3 region.

1 26. A method for making a candle in accordance with claim 20, wherein the lower fuel
2 region is frusto-conical.

1 27. The method for making an anti-flash candle in accordance with claim 20, wherein the
2 first melting point is at least three degrees greater than the second melting point.

1 28. The method for making an anti-flash candle in accordance with claim 20, wherein the
2 first melting point is at least six degrees greater than the second melting point.

1 29. The method for making an anti-flash candle in accordance with claim 20 and further
2 comprising mixing a flame retardant in the lower fuel region.